

# Brunner & Lay's PAVING-BREAKER ACCESSORY TOOLS



## Standard moil point

Shank Sizes:  $\frac{7}{8}$ "x $3\frac{1}{4}$ ", 1"x $4\frac{1}{4}$ ",  $1\frac{1}{8}$ "x6",  $1\frac{1}{4}$ "x6" (Hex.).

Lengths: 14", 18", 24", 30" and up to 144" u. c.

Stock Sizes:  $\frac{7}{8}$ ", 1",  $1\frac{1}{8}$ " and  $1\frac{1}{4}$ " (Hex.).



## Hi duty moil point

Shank Sizes:  $\frac{7}{8}$ "x $3\frac{1}{4}$ ", 1"x $4\frac{1}{4}$ ",  $1\frac{1}{8}$ "x6",  $1\frac{1}{4}$ "x6" (Hex.).

Lengths: 14", 18", 24", 30" and up to 144" u. c.

Stock Sizes:  $1\frac{1}{8}$ ",  $1\frac{1}{4}$ " and  $1\frac{3}{8}$ " (Rd.).



## Standard narrow chisel bit

Shank Sizes:  $\frac{7}{8}$ "x $3\frac{1}{4}$ ", 1"x $4\frac{1}{4}$ ",  $1\frac{1}{8}$ "x6",  $1\frac{1}{4}$ "x6" (Hex.).

Lengths: 14", 18", 24", 30" and up to 144" u. c.

Stock Sizes:  $\frac{7}{8}$ ", 1",  $1\frac{1}{8}$ " and  $1\frac{1}{4}$ " (Hex.).



## Hi duty narrow chisel bit

Shank Sizes:  $\frac{7}{8}$ "x $3\frac{1}{4}$ ", 1"x $4\frac{1}{4}$ ",  $1\frac{1}{8}$ "x6",  $1\frac{1}{4}$ "x6" (Hex.).

Lengths: 14", 18", 24", 30" and up to 144" u. c.

Stock Sizes:  $1\frac{1}{8}$ ",  $1\frac{1}{4}$ " and  $1\frac{3}{8}$ " (Rd.).



## Standard 3-inch chisel bit

Shank Sizes:  $\frac{7}{8}$ "x $3\frac{1}{4}$ ", 1"x $4\frac{1}{4}$ ",  $1\frac{1}{8}$ "x6",  $1\frac{1}{4}$ "x6" (Hex.).

Lengths: 14", 18", 24", 30" and up to 144" u. c.

Stock Sizes:  $\frac{7}{8}$ ", 1",  $1\frac{1}{8}$ " and  $1\frac{1}{4}$ " (Hex.). \* $2\frac{1}{2}$ " blade.



## Hi duty 3-inch chisel bit

Shank Sizes: 1"x $4\frac{1}{4}$ ",  $1\frac{1}{8}$ "x6",  $1\frac{1}{4}$ "x6".

Lengths: 14", 18", 24", 30" and up to 144" u. c.

Stock Sizes: 1",  $1\frac{1}{8}$ ",  $1\frac{1}{4}$ " and  $1\frac{3}{8}$ " (Rd.).



## Sabur points

® U. S. Pat. No. 2-557,195, Canadian Pat. No. 490,890.

Shank Sizes:  $1\frac{1}{8}$ "x6",  $1\frac{1}{4}$ "x6" (Hex.).

Length: 16" u. c.



## Keen Kut

Shank Sizes:  $1\frac{1}{8}$ "x6",  $1\frac{1}{4}$ "x6" (Hex.).

Length: 14" and 18" u. c.



## Frost or digging chisel

Shank Sizes:  $\frac{7}{8}$ "x $3\frac{1}{4}$ ", 1"x $4\frac{1}{4}$ ",  $1\frac{1}{8}$ "x6",  $1\frac{1}{4}$ "x6" (Hex.).

Lengths:  $16\frac{1}{2}$ " and  $17\frac{1}{4}$ " u. c.

Blade: 3"x10" and 3"x12".



## Frost wedge

Shank Sizes:  $\frac{7}{8}$ "x $3\frac{1}{4}$ ", 1"x $4\frac{1}{4}$ ",  $1\frac{1}{8}$ "x6",  $1\frac{1}{4}$ "x6" (Hex.).

Length:  $17\frac{1}{2}$ " u. c.

Wedge Sizes:  $1\frac{7}{8}$ "x12" and 2"x12".



## Sheathing driver (Detachable shank)

Shank Sizes: 1"x $4\frac{1}{4}$ ",  $1\frac{1}{8}$ "x6",  $1\frac{1}{4}$ "x6" (Hex.).

Length: 11" u. c.

Sheathing Sizes: 2" and 3".



## Asphalt cutter

Shank Sizes:  $\frac{7}{8}$ "x $3\frac{1}{4}$ ", 1"x $4\frac{1}{4}$ ",  $1\frac{1}{8}$ "x6",  $1\frac{1}{4}$ "x6" (Hex.).

Length: 11" u. c.

Blade Size: 5"x6".

PLEASE SPECIFY SHANK SIZE, LENGTH U. C. AND NAME OF TOOL WHEN ORDERING



# Brunner & Lay's PAVING-BREAKER ACCESSORY TOOLS



**Dirt tamper — round**  
(Detachable shank)

Shank Sizes: 1"x4 1/4", 1 1/8"x6", 1 1/4"x6" (Hex.).  
Length: 9" u. c.  
Pad Size: 7" Rd.



**Dirt tamper — square**  
(Detachable shank)

Shank Sizes: 1"x4 1/4", 1 1/8"x6", 1 1/4"x6" (Hex.).  
Length: 9" u. c.  
Pad Sizes: 6" and 8" sq.



**Pneumatic plug and feathers sets**

Shank Sizes: 1"x4 1/4", 1 1/8"x6", 1 1/4"x6" (Hex.).  
Hole Size: 1 1/2" or 2" Standard (specify if other).



**Clay spade**

Shank Sizes: 1"x4 1/4", 1 1/8"x6", 1 1/4"x6" (Hex.).  
Blade Sizes: 4 1/2", 5 1/2" and 8" widths.



**Pipe driver**

Shank Sizes: 1"x4 1/4", 1 1/8"x6", 1 1/4"x6" (Hex.).  
Length: 12" u. c.  
Pipe Size: Specify.

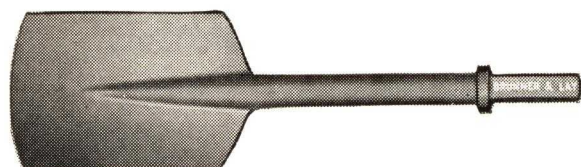


**Concrete buster**

Shank Sizes: 7/8"x3 1/4", 1"x4 1/4", 1 1/8"x6", 1 1/4"x6" (Hex.).  
Length: 14 1/2" u. c.

## Brunner & Lay's CLAY DIGGER ACCESSORY TOOLS

\* Shank Sizes: 7/8" Hex. x 3 1/4", 3/4" Sq. x 2 3/4", 7/8" Hex. x 2 3/4", 3/4" Hex. Rd. x 2 3/4", 7/8" Hex. Rd. x 3 1/4".



**Clay spade**

Shank Sizes: \*.  
Length: 16". Blade Sizes: 4 1/2" and 5 1/2" widths.



**Bushing tool**

Shank Sizes: \* (Also P. B. and Chip. Hammer Shanks).  
Lengths: 9", 12" u. c. and 8 1/2", 10 1/4" o. a.



**Tie tamper**

Shank Sizes: 7/8"x2 5/8" (Standard) also \*.  
Face Sizes: All standard sizes.  
Length: 24" o. a.



**Moil points or narrow chisels**

Shank Sizes: \*.  
Lengths: 14", 18" and 24".

PLEASE SPECIFY SHANK SIZE, PERTINENT TOOL DATA AND NAME OF TOOL IN ORDERING



# Brunner & Lay's STANDARD CHIPPING HAMMER TOOLS

## ROUND AND OVAL COLLAR TOOLS

U.S.N. HEXAGON OR ROUND SHANK



Round Collar—Hexagon Shank



Oval Collar—Round Shank

Stock Size:  $\frac{7}{8}$ " Rd. only.  
Lengths: 9", 12", 18" and 24" O. A.  
Collars: Oval or Round.

### CHISEL BLANKS

## STANDARD TOOLS

U.S.N. HEXAGON OR ROUND SHANK



Hexagon Shank



Round Shank

Stock Size:  $\frac{3}{4}$ " or  $\frac{7}{8}$ " Oct.  
Lengths: 9", 12", 18" and 24" O. A.

### MOIL POINTS



Stock Size:  $\frac{7}{8}$ " Rd. only.  
Lengths: 9", 12", 18" and 24" O. A.  
Collars: Oval or Round



Stock Size:  $\frac{3}{4}$ " or  $\frac{7}{8}$ " Oct.  
Lengths: 9", 12", 18" and 24" O. A.

### FLAT CHISELS



Stock Size:  $\frac{7}{8}$ " Rd. only.  
Lengths: 9", 12", 18" and 24" O. A.  
Collars: Oval or Round.



Stock Size:  $\frac{3}{4}$ " or  $\frac{7}{8}$ " Oct.  
Lengths: 9", 12", 18" and 24" O. A.

### STAR DRILLS



Length: 12" O. A. only.  
Bit Sizes:  $\frac{1}{2}$ ",  $\frac{5}{8}$ ",  $\frac{3}{4}$ ",  $\frac{7}{8}$ ", 1",  $1\frac{1}{8}$ ",  $1\frac{1}{4}$ ",  $1\frac{3}{8}$ ",  $1\frac{1}{2}$ ".  
Collars: Oval or Round.

### PNEUMATIC STAR DRILL AND WRENCH



Length: 12" O. A. only.  
Bit Sizes:  $\frac{1}{2}$ ",  $\frac{5}{8}$ ",  $\frac{3}{4}$ ",  $\frac{7}{8}$ ", 1",  $1\frac{1}{8}$ ",  $1\frac{1}{4}$ ",  $1\frac{3}{8}$ ",  $1\frac{1}{2}$ ".  
Wrench: If wanted.

### HOW TO ORDER

When ordering above tools please list required specifications as follows:

1. Shank: USN Hex. or USN Rd.
2. Length: As listed above.
3. Collar: Oval or Round.
4. Bit Size (Star Drills only) as above.
5. Tool Name.

When ordering above tools please list required specifications as follows:

1. Stock Sizes:  $\frac{3}{4}$ " or  $\frac{7}{8}$ ".
2. Length: As above.
3. Shanks: USN Hex. or USN Rd.
4. Bit Size: (Star Drill only) as above.
5. Tool Name.



# Brunner & Lay's

## HOLLOW DRILL STEEL and BIT ACCESSORIES

CARBON DRILL STEEL



SHANK SIZE	STEEL SIZE	THREAD TYPES AVAILABLE
7/8" x 3 1/4"	7/8" Hex.	A, E, F, S, H, Type 0, Type 1, 112, 113
	1" Rd.	A, F, H, Type 1, 112, 113
7/8" x 4 1/4"	7/8" Hex.	A, E, F, S, H, Type 0, Type 1, 112, 113
	1" Hex.	A, F, H, Type 1, 112, 113
1" x 4 1/4"	1 1/8" Rd.	A, F, H, D, Type 1, Type 2, 112, 113, 200
	1 1/8" Rd.	A, F, H, D, Type 1, Type 2, 200 and all one use connections
1 1/8" Rd. Lug	1 1/8" Rd.	H, D, Type 1, Type 2, Type 3, 112, 113, 121, 200, 400, HL-14
1 1/4" Rd. Lug	1 1/4" Rd.	

EXTENSION STEEL



STEEL SIZE	THREAD TYPES AVAILABLE
<b>CARBO-ROK</b>	
7/8" Hex.	1" Rope, 200
1" Hex.	1" Rope, 1.25" Rope, 200, 400, HL-14
1 1/4" Hex.	1.5 Rope, 600, HL-16
1 1/2" Hex.	1.75" Rope, 700, HL-17
<b>DRILLALLOY*</b>	
1 1/2" Rd.	1.5" Rope
<b>CARBON</b>	
1 3/4" Rd.	1.75" Rope, 700, HL-17
2" Rd.	2" Rope, 1000



H-L Series Thread



Rope Thread

\*DRILLALLOY—A superior quality alloy steel metallurgically engineered to allow rethreading in the field without any subsequent heat treating or hardening necessary.



STRIKING BARS Specify tube size.

SHANK SIZE	THREAD TYPES AVAILABLE
7/8" x 4 1/4"	200, HL-12, 1" Rope
1" x 4 1/4"	200, HL-12, 1" Rope, 400, HL-14, 1.25" Rope
1 1/4" Rd. Lug	400, HL-14, 1.25" Rope, 600, HL-16, 1.5" Rope
1 1/2" Rd. Lug	400, HL-14, 1.25" Rope, 600, HL-16, 1.5" Rope
1 1/2" Rd. x 5"	600, HL-16, 1.5" Rope
1 1/2" Rd. Lug	700, HL-17, 1.75" Rope
1 3/4" Rd. Lug	700, HL-17, 1.75" Rope
2" Rd. Lug	2" Rope, J7.5
2 1/2" Rd. Lug	2" Rope, 1000



COUPLINGS

THREAD TYPES AVAILABLE	
H	J7.5
D	HL-12
200	HL-14
400	HL-16
600	HL-17
700	1" Rope
1000	1.25" Rope
Type 1	1.5" Rope
Type 2	1.75" Rope
J5.23	2" Rope



STANDARD BIT ADAPTERS

THREAD COMBINATIONS AVAILABLE
H to D
D to K
200 to H
400 to D
600 to D
600 to K
HL-14 to D
1.25" Rope to D
1.5" Rope to 600
HL-16 to 1.5" Rope



WHIRLI-BIT

Shank size	Drill depth	Bit size
3/4" x 3 1/4"—9" u. c.	4"	3/4"
3/4" x 3 1/4"—9" u. c.	6"	3/4"
7/8" x 3 1/4"—9" u. c.	4"	3/4"
7/8" x 3 1/4"—9" u. c.	6"	3/4"
7/8" x 3 1/4"—9" u. c.	4"	7/8"
7/8" x 3 1/4"—9" u. c.	6"	7/8"



CARBIDE PLUG DRILL

for Joy L-27 and I. R. J-10

Drill size	Length	Bit size
J-10	12" o. a.	3/4"
L-27	6" o. a.	3/4"

# Brunner & Lay's TUNGSTEN CARBIDE ROK-BITS



## FOUR-POINT ROK-BITS



STANDARD STYLE



CUTAWAY STYLE



"X" TYPE  
(for long hole drilling)



CROSS TYPE  
(for long hole drilling)

Thread Gauge	A	F	H	D	113	121	Type 1	Type 2	Type 3	200	400	600	700	J5.23	J7.5 J7.23	1000	1" Rope	1.25" Rope	1.5" Rope	1.75" Rope	2" Rope	HL 14	HL 16	HL 17
1 1/4"	X				X																			
1 3/8"		X			X																			
1 1/2"		X	X		X					X							X							
1 5/8"		X	X		X					X							X							
1 3/4"			X	X			X			X							X							
1 7/8"			X	X						X	†X						X	†X				†X		
2"			X	X				X		X	†X						X	†X				†X		
2 1/8"			X	X						X	*X						X	*X				*X		
2 1/4"			X	X		X		X		X	*X						X	*X				*X		
2 3/8"				X		X			X		*X							*X				*X		
2 1/2"				X		X			X		*X	†X						*X	†X			*X	†X	
2 5/8"				X		X																		
2 3/4"				X		X			X			†X							†X			†X		
3"				X		X			X			†X	X	X					†X	†X			†X	†X
3 1/2"												†X	X	X	*X				†X	†X	†X		†X	†X
4"												†X	X	X	*X	*X			†X	†X	†X		†X	†X
4 1/2"															*X	*X					†X			
5"																*X					†X			

\*Available in "X" design only. †Available in "X" or cross design. H also designated as 116H, D as 119D.



## INTRASET CARBIDE INSERTED STEEL

Shank size	Steel section	Type	Bit sizes available
7/8" x 3 1/4"	7/8" Hex.	Chisel	1" thru 1 3/4"
7/8" x 4 1/4" Stoper		Four point	1 1/4" thru 1 3/4"
1" x 4 1/4" Stoper	1" Hex.	Chisel	1 1/8" thru 2"
		Four point	1 3/8" thru 2"
1 1/8" Lug	1 1/8" Rd.	Four point	1 3/8" thru 2"
1 1/4" Lug	1 1/4" Rd.	Four point	1 1/2" thru 2 1/4"

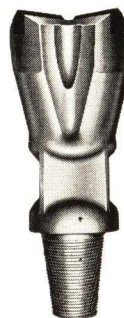
## TAPER TYPE ROK-BIT



Bit dia.	Taper	Connection available
1 1/4"	12°	Use on 7/8 in. steel
1 3/8"	12°	Use on 7/8 in. steel
1 1/2"	12°	Use on 7/8 in. or 1 in. steel
1 5/8"	12°	Use on 1 in. steel
1 3/4"	12°	Use on 1 in. steel

Shims furnished with all Taper Bits

## ROK-MASTER ROK-BIT



## SPLINE ROK-MASTER ROK-BIT



Bit size	Thread	Use
6"	2x3 API thread	with "Quarrymaster" drill
4 3/4"	Spline	with "Down the Hole" drill
5"	Spline	with "Down the Hole" drill
6"	Spline	with "Down the Hole" drill
6 1/2"	Spline	with "Down the Hole" drill
7"	Spline	with "Down the Hole" drill
9"	Spline	with "Down the Hole" drill